Tissue Banking and Pathology Tools Workspace

Strategic Goals

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Workspace Goals

- Create an open source object model, data elements, and vocabularies for biospecimen informatics management that are “caBIG Gold Compliant.” (VCDE / Architecture)

- Develop Use Cases from existing systems to build the caTISSUE object model. (Adopters)

- Utilize best practices for data sharing, confidentiality, and patient consent tracking. (DSIC)

Workspace Goals

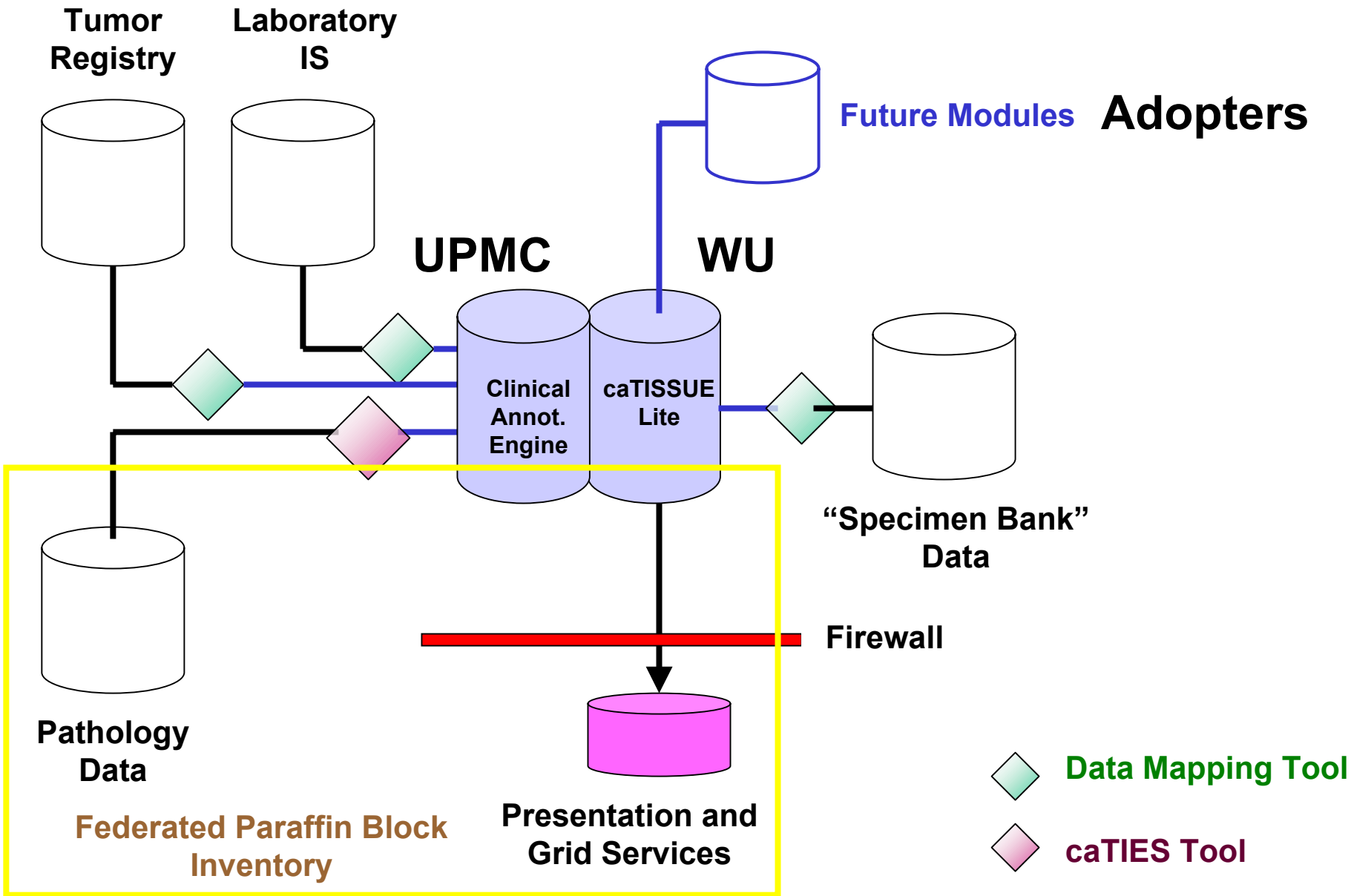
- Develop a “core system” (caTISSUE Lite) for specimen banks with no existing or under-developed systems. (WU)

- Develop a set of tools to map data from existing systems to caTISSUE. (UPMC)

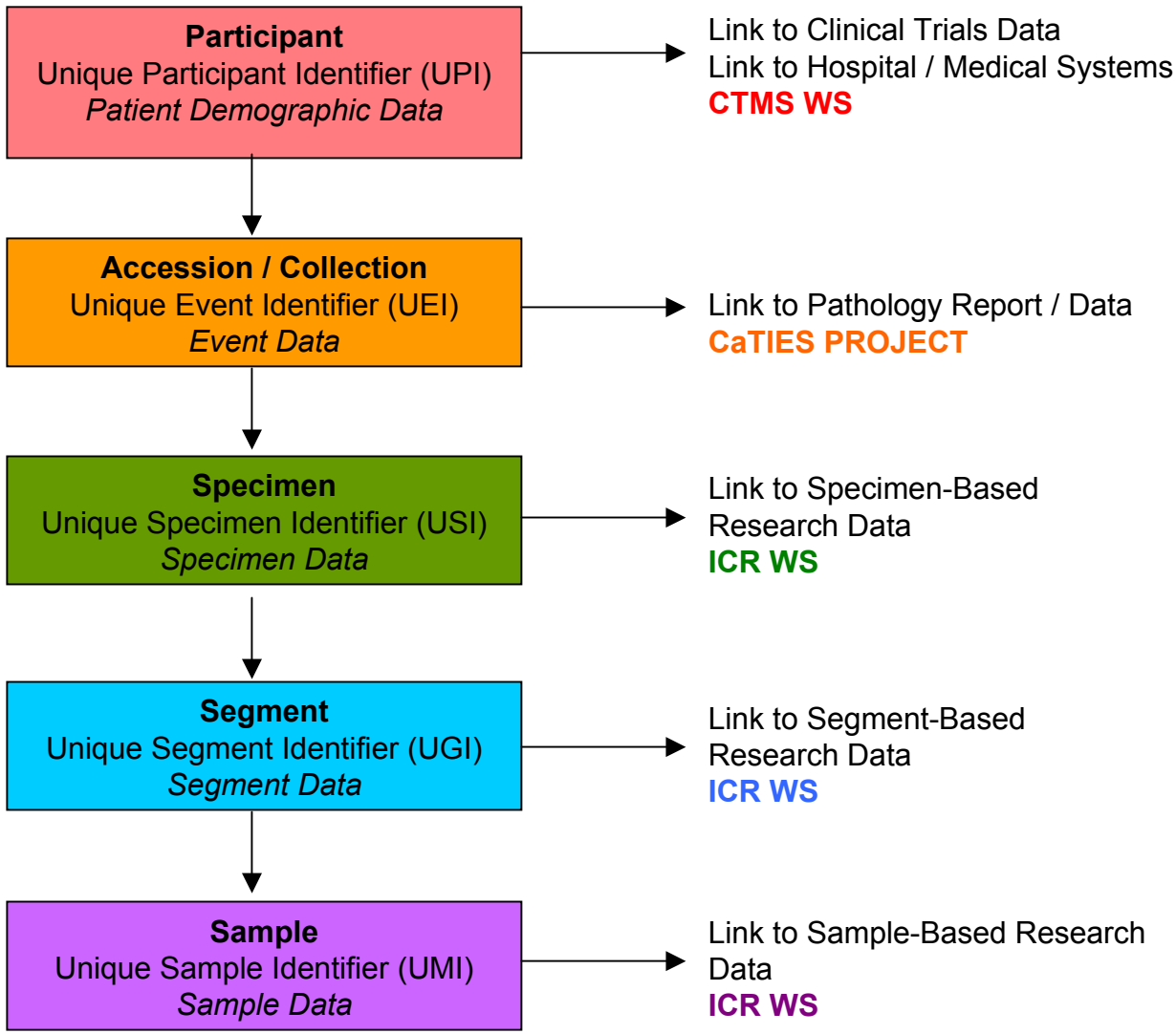
- Develop a modular architecture that allows the addition of other functionality. (Adopters)

- Develop a presentation / grid layer in front of a firewall to allow data exchange across institutions. (Architecture)

caTISSUE Model



caTISSUE Lite Architecture



Accomplishments to Date

- Developed a prioritization matrix.
- Adopted “two-tier” development approach.
- Established liaisons with VCDE and Architecture.
- Established contact with other interested parties-
  - Cooperative groups / EDRN / Industry
- Identified an “easy-win” tool for immediate development (caTIES).
- Nearly completed a project plan for the initial development phase of caTISSUE.

One Year Goals

- Complete first iteration design of caTISSUE Lite and deploy.

- Complete caTIES module and deploy.

- Complete phase I of clinical annotation module and deploy.

Three Year Goals

- Complete development of caTISSUE Lite.
- Complete presentation / grid layer for caTISSUE.
- Further development of clinical annotation module.
- Development of ‘second priority’ modules –
  - Billing / shipping
  - Request
  - Experimental annotation
- Explore integration with other banking systems –
  - Cooperative Groups
  - EDRN
  - CHTN

Five Year Goals

- Execute test cases to demonstrate utility of grid-based specimen querying for novel, multi-institutional studies.